SER322: Team 3
Andronick Martusheff
Keana Gindlesperger
Batbold Altansukh
Giovanna Stern
Na Lee

Deliverable 1: Basic Design of UI (Text-Based)

Main Menu
1. Manage Students
2. Manage Instructors
3. Manage Courses
4. Manage Ranges
5. Manage Classrooms
6. Manage Bikes

Secondary Menus (from main menu)
1. Manage Students
   1.1. Create New Student (user enters data below)
       1.1.1. STUDENT ID
       1.1.2. NAME:
       1.1.3. DOB:
       1.1.4. ADDRESS:
       1.1.5. PHONE:
   1.2. View Student
       ○ *Notes:* User views the above data.
       ○ The user will also view enrolled courses
           ■ From enrolled courses, they can view the following and get report of: payment records, and final grades
           Example: Student Report
               Grades:
                   Course 1
                       Payment Status:
                       Written Test Grade:
                       Practical Test Grade:
                           Exercise 1:
                           Exercise 2:
                           Exercise 3:
                           Exercise 4:
                           Exercise 5:

Course 2
Payment Status:
Written Test Grade:
Practical Test Grade:
Exercise 1:
Exercise 2:
Exercise 3:
Exercise 4:
Exercise 5:

1.3. Edit Student
- Note: User can edits data field(s) that were created in "Create New Student"

1.4. Remove Student
- Note: User deletes the student and their data.
  1.4.1. What student would you like to delete? (Input number)
  Student Deletion Menu
    1. Billy
    2. Bobby
    3. Joe

2. Manage Instructors
  2.1 Create New Instructor (User enters the following data)
    2.1.1. Instructor name:
    2.1.2. Instructor id:
    2.1.3. Date of birth:
    2.1.4. Address:
    2.1.5. Phone number:
    2.1.6 Select Instructor Type (User can select multiple options. Options will be a Classroom Teacher, a Dirt Bike Teacher, and/or a Street Bike Range Coach)
    Instructor Information Menu Example from 2.1.
      1. *Teaching Status*
        Coach/Teacher/ or both (c/t/b)
        Can teach in classroom (y/n)
        Can teach dirtbikes (y/n)
        Can teach in street bike range (y/n)
      2. *INSTRUCTOR ID*
      3. *NAME:*
      4. *DOB:*
      5. *ADDRESS:*
      6. *PHONE:*

2.2. View Instructor
- User views the above data in the instructor information menu.

2.3. Edit Instructor
- ○ User edits the data field(s) in the instructor information menu.

2.4. Remove Instructor
- ○ User deletes the coach and their data.

    2.4.1 What coach would you like to delete? (Input number)

    Coach Deletion Menu
    1. Billy
    2. Bobby
    3. Joe

2.5. List available instructors

Coach Availability Menu Sample

Instructor Name & Instructor ID	Scheduled Time	Qualifications	Times Available
Billy BI0001	12/3 Afternoon (Teacher) (Course ID)	Classroom Teacher Riding Street Coach	Morning 12/3 Afternoon 12/5
Bob BO0002	12/1 Morning (Coach) (Course ID) 12/1 Afternoon (Coach) (Course ID)	Riding Dirt Coach	Morning 12/3 Afternoon 12/5

3. Manage Courses

   3.1. Create New Course

      3.1.1. Enter Course Name

      3.1.2: Enter Course Description

      3.1.3. Enter Course cost

      3.1.4. Enter Course id

      3.1.5. Select course type (Dirt or Street)

         3.1.5.1. Create New Dirt Bike Course (always Range 4) (All day session)
         - ○ Add Instructors *(need 3 dirt bike range coaches)*
         - ○ Add Students *(max = 15)*
           - ■ Add payment record (paid or not)
         - ○ Add Assign location: Range 4 (auto)
         - ○ Add Scheduled Sessions
         - ○ Add Assign Date: *(when Range 4 is available for full day)*
         - ○ Add Bike IDs

         3.1.5.2 Create New Street Bike Course
         - ○ Add Instructors *(1 classroom and 3 range coaches)*
         - ○ Add Student *(max = 30)*

- - - Add payment record for each student added (paid or not)
    - ○ Add Assigned Location: *(below options)*
      - Classroom A if size <= 15
      - Classroom B is size > 15
      - Range 1, 2, 3 depending on availability and course size
    - ○ Add Scheduled Sessions
    - ○ Add Assigned Date/Time:
      - Based on when the user finds classroom free for either all morning or afternoon and an appropriate range available on the same day for the opposite time as the classroom session.

3.2. View Course
- ○ The user can view course data above.

Course ID	Instructor IDs	Student IDs	Location	Schedule	Date	VIN
S6969	MA1111 PE2222 TI3333 CA4444	BI0001 BO0002 SA0003 RR0004 SA0005 SE0006 PT0007 SD0008 EQ0009 KF0010 DS0011 RE0012 SD0013 AS0014 PI0015 PO0016	Classroom: A Range: R2	AM: Classroom PM: Range	12/1	1234234 1234123 1235233 1234522 1234562 1234634 3456345 5655453 4878456 2344512 9078978 7897893 2453232 2344543 4654345 3453452
C4200	…	…	…	…	…	…
DB1234	…	…	…	…	…	…
BMS01	…	…	…	…	…	…

3.3. Edit Course
- 3.3.1. Edit Course Date
- 3.3.2. Edit Student Enrollment data (Note: -> leads to view of all students)
  - 3.3.2.1. User selects student by student id (redirects to student information)
    - 3.3.2.1.1 Manage Payment Record for a given course/student
      - ○ Add Payment Record
      - ○ Edit Payment Record

- ○ Remove Payment Record
  - 3.3.2.1.2. Manage Written Test Final Score
    - ○ Add Written Score
    - ○ Edit Written Score
    - ○ Remove Written Score
- 3.3.2.1.3. Manage Practical Test Scores for:
  - ○ Manage Exercise 1 Score
    - ■ Add Score
    - ■ Edit Score
    - ■ Remove Score
  - ○ Manage Exercise 2 Score
    - ■ Add Score
    - ■ Edit Score
    - ■ Remove Score
  - ○ Manage Exercise 3 Score
    - ■ Add Score
    - ■ Edit Score
    - ■ Remove Score
  - ○ Manage Exercise 4 Score
    - ■ Add Score
    - ■ Edit Score
    - ■ Remove Score
  - ○ Manage Exercise 5 Score
    - ■ Add Score
    - ■ Edit Score
    - ■ Remove Score

3.4 Remove Course
- ○ The user can remove the course and its data.

3.4.1. What course would you like to delete? (Input number)
Course Deletion Menu
> S1234
> C4200
> BMS01

4.) Manage Ranges
- 4.1. Create new Range
  - 4.1.1. Enter range number:
  - 4.1.2. Enter whether the range is in repair (yes/no)
  - 4.1.3. Enter range type: (dirt or street)
- 4.2. View Range

○ User views range data.

Range ID	Range type	Schedule w/ Course	Date	Range Status (full reserved,am/pm available, under repair)
Range 1	Street	N/A	N/A	Under Repair
Range 2	Street	AM - Available PM - S1234	12/1	Available AM
Range 3	Street	AM - S1234 PM - Available	12/1	Available PM
Range 4	Dirt	ALL DAY - D6969	12/1	Full Reserved

4.3. Edit Range
  ○ User edits data in the view range menu
4.4. Remove Range
  ○ User can delete a range
  4.4.1. What range would you like to delete? (Input number)
  Range Deletion Menu
    1.
    2.
    3.
    4.

5.) Manage Classrooms
  5.1. Create new Classroom
    ○ User adds classroom letter and whether it is in repair, and max capacity
  5.2. View Classroom
    ○ The user can view classroom data.

Class ID	Schedule w/ Course	Date	Classroom Status (full reserved,am/pm available, under repair)
A	AM - S6969 PM - Available	12/1	Available PM
B	AM - Available PM - S1234	12/1	Available AM

5.3. Edit Classroom
  ○ The user can edit data in the view classroom menu.
5.4. Remove Classroom
  ○ The user can delete a classroom.

5.4.1. What classroom would you like to delete? (Input number)
Classroom Deletion Menu
        A.
        B.

6) Manage Bikes
    6.1. Create New Bike
        6.1.1. Enter brand:
        6.1.2. Enter cc:
        6.1.3. Enter bike type: (dirt or street)
        6.1.4. Enter VIN
        6.1.5. Enter license plate
        6.1.6. Enter whether bike is in repair (yes/no):

    6.2. View Bike
       ○ The user can view bike data including repair history from the manage bike view menu and course view menu.

Bike Type	VIN	CC	Brand	License Plate	Repair Status	Repair History
Dirt	…	…	…	…	…	*Click for repair history*
Street	…	…	…	…	…	*Click for repair history*

    6.3. Edit Bike
       ○ 6.3.1. Edit Bike Information *(Note: The user can edit the information above in the view bike menu or add to the repair history for a bike)*
       ○ 6.3.2. Add Repair
           ■ 6.3.2.1. Select Bike by VIN
               6.3.2.1.1. Enter Problem Date
               6.3.2.1.2. Enter Repair Date
               6.3.2.1.3. Enter Problem Description
               6.3.2.1.4. Enter Repair Cost
    6.4. Remove Bike
       ○ 6.4.1: Select Bike by VIN *(note: so that the user can remove the bike and its data)*